

Make your own volcano!

Now that we have learnt all about them, we would like you to have a go at making your very own erupting volcano!

Here's what to do;

1. Watch this video from The National History Museum about how to make the model and what you will need;

<https://www.nhm.ac.uk/discover/how-to-make-a-volcano.html>

2. You may choose to make a papier mache volcano instead. Check out this link for ideas;

<https://www.learning4kids.net/2012/04/11/how-to-make-a-homemade-volcano/>

3. Read the instructions attached, choose how you want to make your volcano, gather your equipment and get making!

****Remember when you make your volcano erupt, do it outside or in an area your parents don't mind getting messy!****

4. When you have made your volcano, take photos and click the

 **Add response**

button to share your models.

5. Why not video your volcano erupting and share that with the class too.

Have fun, we can't wait to see them!

Make Your Own Volcano

Science Activity

You will need:

1. Washing up liquid
2. Vinegar
3. Plastic cup
4. Bicarbonate of soda
5. Red food colouring



You could build a paper mache volcano and put the cup inside it for extra effect!

Method:

1. Fill your cup just over half full with water, add 3 teaspoons of bicarbonate of soda and give it a good stir until most of the bicarbonate of soda dissolves.
2. Add two drops of red food colouring and a good squirt of washing up liquid into the cup and once again give it a stir.
3. Make sure your volcano is in the kitchen or outside (or somewhere you don't mind making a mess).
4. Quickly pour in just under a quarter of a cup of vinegar and enjoy your very own volcanic eruption!

The science behind it:

You just made a chemical reaction! By mixing the acid (vinegar) and the alkali (bicarbonate of soda), bubbles of carbon dioxide (CO_2) were released like in a pyroclastic flow. A pyroclastic flow moves very fast and is extremely dangerous, whilst lava flows move slowly and aren't much of a threat.